



Roejen Services

## Roejen Reverse Osmosis Systems

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Facility Maintenance // Water Treatment // Membrane Systems  
Chemical Dosing // Ozone // UV // PLC Automation

**System Introduction**

**1.1 The Roejen Reverse Osmosis System**

The Roejen Reverse Osmosis System is a stand alone or fully networkable reverse osmosis system that has a neat small area footprint. The unit typically can process from 1000 to 10000 litres per hour and produces high quality recycle water suitable for a variety of uses including make up water where a potable source is required.

Other uses may include humidifiers, low EC sources for pure water systems or higher EC levels for washdown or irrigation.

The system includes a multi media and carbon filter used in the pre-treatment stage.



Antiscale solution or Softener Resins are also used prior to the membrane unit. Feed water can contain a wide range of dissolved solids. Incoming feed water is monitored for excessive oxidant levels to protect the membranes.

The system has full automatic control via a PLC and HMI screen and can be networked to most other Building Automation Systems.



The HMI is capable of Web serving and offers remote access via a standard web browser. It has a high level of information and set point access.

Alarms can be emailed and are displayed on the HMI.

The system has an extremely high level of self diagnostic ability. Tank levels are charted and logged. All logs stored to an on board compact flash card and can be accessed via removing the card or soft access via the web browser. Product water is totalised.

The Roejen Reverse Osmosis System's simple and robust design will survive the rigours of commercial plant and offer many years of reliable service.

